

CENTRAL INTELLIGENCE AGENCY
INFORMATION REPORT

[Redacted Box]

COUNTRY USSR/Germany (Soviet Zone)
SUBJECT Soviet Weapons and Equipment

DATE DISTR. 8 Jan 53
NO. OF PAGES 2 50X1

NO. OF ENCLS.
(LISTED BELOW)
SUPPLEMENT TO
REPORT NO.

50X1 PLACE ACQUIRED [Redacted Box]
DATE ACQUIRED [Redacted Box]
DATE OF INFO [Redacted Box]

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES, WITHIN THE MEANING OF TITLE 18, SECTIONS 793 AND 794, OF THE U.S. CODE, AS AMENDED. ITS TRANSMISSION OR REVELATION OF ITS CONTENTS TO OR RECEIPT BY AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW. THE REPRODUCTION OF THIS FORM IS PROHIBITED.

THIS IS UNEVALUATED INFORMATION
50X1

[Redacted Block]

1
It is called the ZPR-43. It uses a collimator type cross hair which is viewed through a mirrored reflection. I am not too clear on exactly how it is accomplished but the ZPR-43 can track targets which are moving at great speeds. The sight itself does not look very much different from the older version. In May 1951 [Redacted] even newer sight was received about which I know nothing except that it was supposed to be used against jet planes. I only saw the crates in which these sights were received. 50X1

2
[Redacted Block]

3
[Redacted] a lecture given by Lt Col Semenchuk who had arrived from commanding an AAA regiment in Baku. The lecture covered all new Soviet AA developments. The rate of fire is about the same as the 37-mm gun but the gun is faster from travelling to firing position. It has a sight which computes like a director and can effectively fire against planes on curvilinear courses, etc. Furthermore, a Lieutenant [Redacted] who was mechanically very smart designed a model of a computing sight which he thought might be used on the 37-mm gun. He sent the model to Moscow and received a letter in reply which thanked him for his effort and said that the sight was well designed, etc, but that a sight using the same principle and of more simple construction was already being produced for a new 57-mm AA gun. I have also heard about the 57-mm AA gun from numerous other officers. I feel absolutely positive that such a gun is now in use. 50X1

4
[Redacted Block]

5
The 90-mm guns are not Soviet manufactured. I was told that they were Canadian-made. I am not as sure of the actual existence of the 100-mm AA gun as I am of the 57-mm gun because I have heard of it only from Lt Col Semenchuk. He stated

CLASSIFICATION ~~SECRET~~/SECURITY INFORMATION

State	X	Army	X	Air	X	NAVY	X	AFB	X	DISTRIBUTION									
Arms	X	Ar	X	AB	X														

SECRET/SECURITY INFORMATION

- 2 -

50X1

that ammunition for the gun was loaded into some sort of a rack or conveyor system which fed the rounds through an automatic fuze setter and then into the gun. The loading system was said to be similar to the German 12.8-cm AA gun. It was claimed that the maximum vertical range was 16,000 meters and that the maximum slant range (at 45 degree elevation) was 25,000 meters. No further details were given. Col Semenchuk stated very positively that the 100-mm guns were gradually replacing the 85-mm and 90-mm guns in his former regiment in Baku. I guess that this gun is being put in position around all of the "1st priority cities". They are Leningrad, Moscow, Khabarovsk, Baku and Sevastopol.

50X1

I am not positive but I am fairly sure that it is a single gun only.

He next told of a 150-mm AA gun which was still on the drawing boards in Moscow. He mentioned only that this experimental weapon was to have "radar sights".

Lt Col Semenchuk then told about the new Malakhit radar set and made reference to other more fantastic weapons such as guided missiles which he said were under development. He said that they had already been tested in the Baku area but I got the impression that the trials had not been very successful.

In Germany we were issued only World War II ammunition. I have heard however that the T-5 time fuze is no longer manufactured because it was affected so greatly by atmospheric conditions. It was replaced by the M42 clockwork fuze but this model proved unsatisfactory and was in turn replaced by the M46 fuze which is also of the clockwork type.

50X1

I have been told by several officers who have come from the Byelorussian military district that all the troops there are equipped with the "Kalashnikov" submachine gun. It is a 7.62-mm weapon which fires the regular rifle ammunition and holds 30 rounds in a drum. All of the officers spoke very enthusiastically about the light weight, accuracy and general excellence of design of this gun. It was designed by a Sergeant (Armorer) Kalashnikov who was working in the Potsdam workshops when he designed the gun. He received a Stalin prize for his work in either 1949 or 1950 and his picture was put up in all of the unit political rooms. This is the only new weapon I have heard of other than the AA weapons I have described.

- end -

SECRET/SECURITY INFORMATION